

## EAST Search History

| Ref # | Hits | Search Query   | DBs                          | Default Operator | Plurals | Time Stamp       |
|-------|------|--|------------------------------|------------------|---------|------------------|
| S1    | 3    | ((("6638025") or ("5749710") or ("6045337")).PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2007/08/16 19:31 |
| S2    | 585  | (417/222.2).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2007/08/16 19:31 |
| S3    | 23   | S2 and (circuit with actuator)   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/08/16 19:36 |
| S4    | 1603 | (417/269).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2007/08/16 19:36 |
| S5    | 49   | (S2 or S4) and ((circuit or controller) with actuator)   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/08/16 19:37 |
| S6    | 10   | S4 and ((circuit or controller) with actuator)   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/08/16 19:40 |
| S7    | 2    | S4 and (control adj circuit with (casing or case or housing))  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/08/16 19:42 |
| S8    | 510  | "417".clas. and (((control adj circuit) or (circuit adj board)) with (casing or case or housing))  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/08/16 19:42 |
| S9    | 802  | (417/48).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2007/08/18 12:31 |
| S10   | 35   | S9 and (electroosmotic or EOF)   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/08/18 12:32 |
| S11   | 15   | ("20030062149"   "20050042110"   "20050085018"   "20050112816"   "20050139996"   "20050230080"   "6110808"   "6426314"   "6575961"   "6720710"   "6890409"   "6939451"   "6986382"   "6992381"   "7021369").PN. OR ("7149085").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/08/18 12:37 |
| S12   | 1    | ("20030127329").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2007/08/18 12:56 |
| S13   | 574  | (417/50).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2007/08/18 12:56 |

## EAST Search History

|     |    |   |                              |    |    |                  |
|-----|----|---|------------------------------|----|----|------------------|
| S14 | 33 | ("3791703" "3922854" "3963039" "4077746" "4097196" "4129063" "4540221" "4823552" "4850544" "5073091" "5076377" "5135031" "5440345" "5749710" "6045337" "6408972" "6578549" "6619325" "6638025" "6708787" "6708789" "6712166" "6719080" "6820356" "6899190" "6912849" "6922989" "6932733" "6933990" "6959545" "6962050" "6971232" "6973782").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/02/06 13:02 |
|-----|----|---|------------------------------|----|----|------------------|

*Interference Search Results*  
**EAST Search History**

| Ref # | Hits | Search Query  | DBs      | Default Operator | Plurals | Time Stamp       |
|-------|------|---|----------|------------------|---------|------------------|
| L1    | 5    | (control near housing and aperture and barrel).clm. | US-PGPUB | OR               | ON      | 2008/02/11 10:48 |